

- IDEs for UI Technologies
 - Notepad, Notepad++, VS Code, Atom, Brackets, Sublime text etc.

When you save file in any software /application it will save the file with the given filename with an Extension. Extension is also called as “Secondary file name”.

“Primary file name” is the name given by user.

e.g. First.txt

First - Primary file name

Txt - Extension (Secondary file name)

Application Name	Extension
Notepad	.txt
MS – Word	.docx / .doc
Excel	.xlsx / .xls
Power Point	.pptx / .ppt
Portable Document Format	.pdf
Java	.java
Python	.py
.Net C#	.cs
PHP	.php
Audio	.mp3 / .wav
Video	.mp4/ .avi
Images	.jpg / .jpeg/ .png / .bmp
HTML	.html / .htm
CSS	.css

Java Script	.js
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Prakash_JavaFresherPDF.pdf

Prakash_JavaFresherDOC.docx

Prakash_JavaFresherDOC.docx

Prakash_JavaFresherDOC.docx

Structure of HTML Document

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title> </title>
```

```
    <style> </style>
```

```
    <script></script>
```

```
</head>
```

```
<body>
```

```
    ....actual body of the web page will be here
```

```
</body>
```

```
</html>
```

<!DOCTYPE html> :- It is called as Document Type Declaration (DTD) which is used to specify the version of HTML document that is HTML5.

<html> :- It is root element of HTML web page. Means inside this tag we will have other elements. The elements inside <html> are called as child elements.

<head> :- It is used to specify meta data of your web page. The content what we are writing is not displayed on the web page.

Generally we write <title> , <style> and <script> etc.

<title> :- It is used to display the title of your web page. It will be shown on **title bar of Browser** or on a **Tab** of browser.

<style> :- It is used to specify CSS styles can be used in the current web page.

<script>:- It is used to write client side script i.e. Java script code for your web page.

<body> :- It is used to display actual content of web page by using elements like <p> <h1> etc.

Every element in HTML will have an opening and a closing tag.

e.g. `<html>` `</html>`

`<p>` `<p>`

But some elements may not have closing tag/ending tag. These are called as **void elements / empty elements**.

e.g. `
` - to display new line

`<hr>` - to display horizontal ruler (line)

Element can have Attributes. These attributes give extra information about tags to the browser. Attributes are used set some values. These values should be enclosed in double quotes.

e.g.

`<body bgcolor="yellow">`

Bgcolor is called as Attribute.

Yellow is the value of the Attribute.

Creating and running HTML Document

1. Open any IDE e.g. Notepad or VS Code etc.
2. Type the code and save it with .html extension in a folder.
3. Open Browser (e.g. Edge / chrome) and enter physical path of your HTML page in address bar.

e.g. D:\PrakashHTML\demo1.html

Comments in HTML : You can write comment in HTML by using `<!-- -->`

e.g.

```
<!-- this is a sample comment -->
```

Comments are used by developers by themselves or by their team lead or anybody who's reading the code.

Note: Comments will not be displayed on web page.

Content:- Whatever data we write in between opening and closing tag is called Content.